

Amendments to the Claims

and

Listing of Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.



Claims 3-7, 13-23, 26-30, and 36-46 are canceled.

1. (original) An optical recording/reproducing method for optically recording or reproducing information with respect to an optical recording medium by using an optical recording apparatus, comprising:

a loading step of loading the optical recording medium in the optical recording apparatus;

a reproduction power setting step of setting a power of laser light emitted from the optical recording apparatus to the optical recording medium at reproduction power;

a management information reproduction step of reproducing management information for managing user information recorded on the optical recording medium with laser light having the reproduction power; and

a recording learning step of extracting a recording condition suitable for the optical recording medium,

wherein the recording learning step is conducted after the management information reproduction step.

2. (original) An optical recording/reproducing method according to claim 1, wherein the recording learning step is at least one selected from the group consisting of a recording power learning step of extracting a laser emission power suitable for the optical recording medium, a recording pulse learning step of extracting a recording pulse condition suitable for the optical recording medium, a recording servo learning step of extracting a servo condition suitable for the optical recording medium during recording, a groove parameter learning step of determining a groove parameter of the optical recording medium, and an equalizing amount learning step of determining an equalizing amount with respect to the optical recording medium.

3-7. (canceled)

8. (original) An optical recording/reproducing method for optically recording or reproducing information with respect to an optical recording medium by using an optical recording apparatus, comprising:

a loading step of loading the optical recording medium in the optical recording apparatus;

a reproduction power setting step of setting a power of laser light emitted from the optical recording apparatus to the optical recording medium at reproduction power; and

a recording possibility identifying step of identifying a possibility of recording information on the optical recording medium, based on a recording identifier,

wherein, when prohibition of recording is identified in the recording possibility identifying step, a process proceeds to a user information reproduction step of reproducing user information recorded on the optical recording medium with laser light having the reproduction power, or a reproduction standby step of waiting for a request for reproduction of the user information, and

when permission of recording is identified in the recording possibility identifying step, a management information reproduction step of reproducing management information for managing user information recorded on the optical recording medium with laser light having the

reproduction power, and then a recording learning step of extracting a recording condition suitable for the optical recording medium are conducted.

9. (original) An optical recording/reproducing method according to claim 8, wherein the recording identifier is provided at the optical recording medium.

10. (original) An optical recording/reproducing method according to claim 8, wherein the recording identifier is provided at a case accommodating the optical recording medium.

11. (original) An optical recording/reproducing method according to claim 8, wherein the recording identifier includes a first recording identifier provided at the optical recording medium and a second recording identifier provided at a case accommodating the optical recording medium.

12. (original) An optical recording/reproducing method according to claim 8, wherein the recording learning step is at least one selected from the group consisting of a recording power learning step of extracting a laser emission power suitable for the optical recording medium, a recording pulse learning step of extracting a recording pulse condition suitable for the optical recording medium, a recording servo learning step of extracting a servo condition suitable for the optical recording medium during recording, a groove parameter learning step of determining a groove parameter of the optical recording medium, and an equalizing amount learning step of determining an equalizing amount with respect to the optical recording medium.

13-23. (canceled)

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24. (original) An optical recording apparatus for optically recording or reproducing information with respect to an optical recording medium, comprising:

- loading means for loading the optical recording medium;
- an optical head for emitting laser light to the loaded optical recording medium;
- reproduction power setting means for setting a power of the laser light at reproduction power;
- information reproduction means for reproducing information recorded on the optical recording medium, with laser light having the reproduction power;
- recording learning means for extracting a recording condition suitable for the optical recording medium; and
- control means for allowing the information reproduction means to reproduce management information for managing user information recorded on the optical recording medium, and then, operating the recording learning means.

25. (original) An optical recording apparatus according to claim 24, wherein the recording learning means is at least one selected from the group consisting of recording power learning means for extracting a laser emission power suitable for the optical recording medium, recording pulse learning means for extracting a recording pulse condition suitable for the optical recording medium, recording servo learning means for extracting a servo condition suitable for the optical recording medium during recording, groove parameter learning means for determining a groove parameter of the optical recording medium, and equalizing amount learning means for determining an equalizing amount with respect to the optical recording medium.

26-30. (canceled)

31. (original) An optical recording apparatus for optically recording or reproducing information with respect to an optical recording medium, comprising:

loading means for loading the optical recording medium;

an optical head for emitting laser light to the loaded optical recording medium;

reproduction power setting means for setting a power of the laser light at reproduction power;

recording possibility identifying means for identifying a possibility of recording information on the optical recording medium based on a recording identifier;

information reproduction means for reproducing information recorded on the optical recording medium with laser light having the reproduction power;

recording learning means for extracting a recording condition suitable for the optical recording medium; and

control means for, when prohibition of recording is identified by the recording possibility identifying means, operating the information reproduction means immediately after completion of an operation of the recording possibility identifying means and the reproduction power setting means, or in response to a request for reproduction of the information after completion of operations of the recording possibility identifying means and the reproduction power setting means, and, when permission of recording is identified by the recording possibility identifying means, after completion of operations of the reproduction power setting means and the recording possibility identifying means, allowing the information reproduction means to reproduce management information for managing user information recorded on the optical recording medium, and then, operating the recording learning means.

32. (original) An optical recording/reproducing method according to claim 31, wherein the recording identifier is provided at the optical recording medium.

33. (original) An optical recording/reproducing method according to claim 31, wherein the recording identifier is provided at a case accommodating the optical recording medium.

34. (original) An optical recording/reproducing method according to claim 31, wherein the recording identifier comprises a first recording identifier provided at the optical recording medium and a second recording identifier provided at a case accommodating the optical recording medium.

35. (original) An optical recording apparatus according to claim 31, wherein the recording learning means is at least one selected from the group consisting of recording power learning means for extracting a laser emission power suitable for the optical recording medium, recording pulse learning means for extracting a recording pulse condition suitable for the optical recording medium, recording servo learning means for extracting a servo condition suitable for the optical recording medium during recording, a groove parameter learning means for determining a groove parameter of the optical recording medium, and equalizing amount learning means for determining an equalizing amount with respect to the optical recording medium.

36-46. (canceled)

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